

## **Protocol of culturing iPSCs**

IPSC lines were cultivated onto Mitomycin C (Sigma) treated mouse embryonic fibroblasts in IPSC-medium (Knockout DMEM (Life Technologies), 15% Knockout serum replacement (Life Technologies), 1x NEAA (Lonza), 1x GlutaMAX-I (Life Technologies), 0.1 mM 2-mercaptoethanol (Sigma), 10 ng/ml rhFGF basic (StemCell Technologies), 1x penicillin-streptomycin (Lonza)). iPSCs were passaged using TrypLE Express (Life Technologies). ROCK inhibitor (10  $\mu$ M Y-27632; R&D systems) was added to the culture medium for 24 h after passaging.